## In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Original) An isolated Gcc DNA molecule, wherein the DNA molecule has a modification in at least one nucleotide that disrupts a splicing consensus sequence and prevents splicing of mRNA produced from the DNA molecule, while preserving the ability of the DNA to express active Gcc.
- 2. (Original) The DNA molecule of claim 1, wherein the modification impairs a consensus nucleotide sequence needed to induce splicing.
- 3. (Original) The DNA molecule of claim 2, wherein the DNA molecule is modified at two cryptic splice sites.
- 4. (Currently amended) The DNA molecule of claim 1 or 3, comprising a mutation in the 3' junction site.
- 5. (Currently amended) The DNA molecule of claim 4, wherein the mutation is as shown in the 3' junction site (SEQ ID NO.: 18) in Table 1, or a functionally equivalent mutation.
- 6. (Currently amended) The DNA molecule of claim 1 or 3, comprising a mutation in the 5' splice junction site.
- 7. (Currently amended) The DNA molecule of claim 6, wherein the mutation is as shown in the 5' junction site (SEQ ID NO.:19) in Table 1, or a functionally equivalent mutation.
- 8. (Currently amended) The DNA molecule of claim 1, comprising all or part of the nucleotide sequence shown in figure 4(b) (SEQ ID NO.:13).
  - 9. (Currently amended) A vector comprising the DNA molecule of any of claims

Application No. Unassigned Page 16

claim 1 to 8.

- 10. (Original) The vector of claim 9, comprising a promoter that is functional in a mammalian cell.
- 11. (Currently amended) mRNA produced from the DNA molecule of any of claims claim 1 to 8 or the vector of claim 9 or claim 10.
- 12. (Currently amended) A method of medical treatment of Gaucher disease in a mammal, comprising administering to the mammal an effective amount of the nucleic acid molecule of any of claims claim 1 to 8 or the vector of claim 9 or claim 10 and expressing an effective amount of the polypeptide encoded by the nucleic acid molecule for alleviating clinical symptoms of Gaucher disease.
- 13. (Currently amended) A host cell, or progeny thereof, comprising the nucleic acid molecule of any of claims claim 1 to 8 or the vector of claim 9 or claim 10.
- 14. (Original) The host cell of claim 13, selected from the group consisting of a mammalian cell, a human cell and a Chinese Hamster Ovary cell.
- 15. (Currently amended) A method for producing a recombinant host cell capable of expressing a Gcc nucleic acid molecule, the method comprising introducing into the host cell the vector of claim 9 or 10.
- 16. (Currently amended) A method for expressing a Gcc polypeptide in the host cell of claim 13 or 14 comprising culturing the host cell under conditions suitable for DNA molecule expression.
- 17. (Currently amended) A method for producing a transgenic cell that expresses elevated levels of Gcc polypeptide relative to a non-transgenic cell, comprising transforming a cell with the vector of claim 9 or 10.
  - 18. (Currently amended) An isolated polypeptide encoded by and/or produced

Application No. Unassigned Page 17

from the nucleic acid molecule of any of claims claim 1 to 8, or the vector of claim 9 or 10.

- 19. (Currently amended) A method of producing a genetically transformed cell which expresses or overexpresses a Gcc polypeptide, comprising:
  - (a) preparing a Gcc nucleic acid molecule according to any of claims claim

    1=18;
  - (b) inserting the nucleic acid molecule in a vector so that the nucleic acid molecule is operably linked to a promoter;
  - (c) inserting the vector into a cell.
  - 20. (Original) A transgenic cell produced according to the method fo claim 19.
- 21. (Currently amended) A pharmaceutical composition, comprising a carrier and (i) the nucleic acid molecule of any of claims claim 1 to 8 (ii) the vector of claims claim 9 or 10 or (iii) Gcc polypeptide produced from (i) or (ii), in an effective amount for reducing clinical symptoms of Gaucher disease.
- 22. (Original) The composition of claim 21, wherein the carrier comprises a liposome.